Visit to ORNL of the Secretary of the U. S. Department of Energy on June 18, 2001:

Commercialization of ORNL developed nickel aluminide technology for Heat Treating Fixtures at Delphi was also highlighted as the one technology representing the U. S. DOE Office of Industrial Technology funded R&D at ORNL during the recent visit to ORNL of the Secretary of the U. S. Department of Energy, Spencer Abraham; DOE Assistant Secretary for Energy Efficiency and Renewable Energy, Dave Garman; U. S. Senator from Tennessee, Fred Thompson; U. S. Representative from Tennessee, Zach Wamp; and U. S. Representative from Tennessee, Jimmy Duncan.

The photo below was taken during the press conference at ORNL and the other image is of the poster that was prepared for the event highlighting the R&D and the implementation of the new materials technology.

In the photo, from left to right: ORNL Director Bill Madia, Jimmy Duncan, Zach Wamp, Spencer Abraham, Fred Thompson, and ORO Manager Leah Dever.

OAK RIDGE NATIONAL LABORATORY

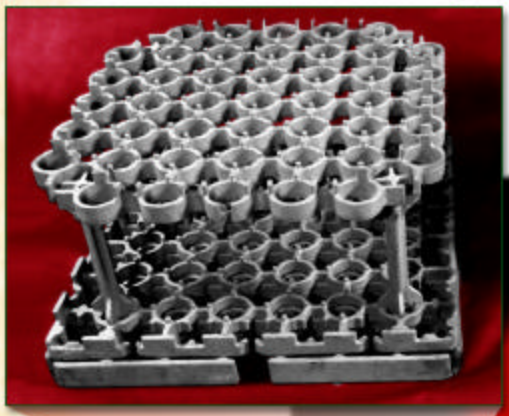
MANAGED BY UT-BATTELLE FOR THE DEPARTMENT OF ENERGY

Newly Developed Ni_3Al Heat Treating Furnace Assemblies Are Being Commercialized at Delphi

High-Temperature Strength and Durability of Ni_3Al Enables

- Processing more parts per assembly
- Up to 33% energy efficiency improvements, and corresponding economic and environmental benefits

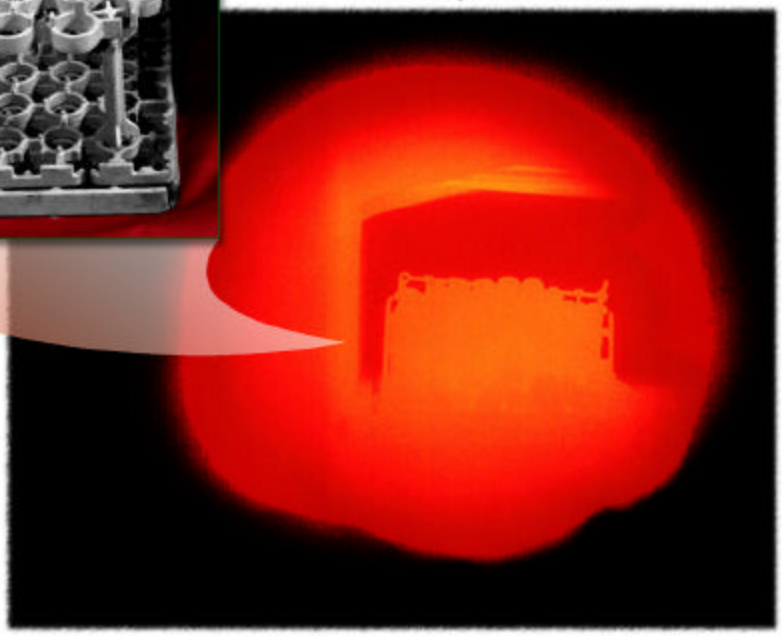
Nickel Aluminide Furnace Assembly



Delphi, Saginaw, Michigan

- Over 500 fixtures being installed
- Material of choice for fixtures worldwide
- Over 5,000 tons of steel parts are processed per day

Assembly in Furnace



Participants

DELPHI
Automotive Systems
Driving Tomorrow's Technology

OAK RIDGE NATIONAL LABORATORY

- Enabled building only two new heat treating furnaces rather than the three that would have been required if current materials were used
- CRADA was the first to be signed with General Motors

Research and Development Sponsored by
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